

Date: Sat, 19 Mar 94 04:30:25 PST
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V94 #74
To: Ham-Digital

Ham-Digital Digest Sat, 19 Mar 94 Volume 94 : Issue 74

Today's Topics:

 9k6 baud TheNet X-1J parameters?
Adaptive Routing of HF Packet Messages / Solar Propagation

 JNOS from a 720K floppy?
 Net that support LoAppleItalk
 Propagation and Radio System Engineering.

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Problems you can't solve otherwise to brian@ucsd.edu.

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We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 17 Mar 1994 22:59:21 +0000
From: ihnp4.ucsd.edu!swrinde!emory!europa.eng.gtefsd.com!howland.reston.ans.net!
pipex!demon!fusk.demon.co.uk!db@network.ucsd.edu
Subject: 9k6 baud TheNet X-1J parameters?
To: ham-digital@ucsd.edu

I would expect a useful increase on good links by using an MTU of 1024,
unless you have fast switching radios, though haven't actually used X-1J for
IP. We got >500bps FTP rates between NOS systems as opposed to ~300bps with
MTU of 256. TxDelay was 100mS.

Regards, Dave

Date: Fri, 18 Mar 94 09:28:24 GMT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
news.moneng.mei.com!uwm.edu!reuter.cse.ogi.edu!netnews.nwnet.net!serval!
eecs.wsu.edu!glagowsk@network.ucsd.edu
Subject: Adaptive Routing of HF Packet Messages / Solar Propagation

To: ham-digital@ucsd.edu

One of my graduate students would like to do a master's thesis on the topic of Adaptive Packet Network Traffic Routing to adapt to periodic and random changes in the ionospheric propagation (HF) due to solar effects.... initially he plans to do a simulation based on an idealized model, but later we would like to test it out using the USAF MARS packet radio network.....

My question is: are you, or do you know of anyone interested in this work, particularly regarding possible University grants/contracts....

Anyone with ideas on whom to contact... please reply

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- Terry G.

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Dr. Terry G. Glagowski      INTERNET: glagowsk@eecs.wsu.edu
Assistant Professor        PROFS:    glagowsk
Electrical Engr. & Computer Sci. LOCATION: 12th Floor Farm Credit Bldg.
Washington State University PHONE:   (509) 456-3275
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Spokane, WA 99204-0399     USAF MARS: AFA5BP   AMATEUR: W1TR
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Date: Thu, 17 Mar 1994 18:47:03 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!torn!govonca!
rumbalj@network.ucsd.edu
Subject: JNOS from a 720K floppy?
To: ham-digital@ucsd.edu

Thank you for reading this posting.

I would like to know if it's possible to set up JNOS v1.10 so it will run from a laptop that has a single 720K floppy drive?

If it IS possible, could you tell me what the key files are that I'd need (besides NOS.EXE and AUTOEXEC.NOS)??

Thanks, in advance, for your comments.

73 de John

--

: : John E. Rumball
: ... :... :... Sudbury, ON
:.. :.. : : : : rumbalj@gov.on.ca

Date: 18 Mar 94 18:20:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: Net that support LoAppleItalk
To: ham-digital@ucsd.edu

Anyone know a version of Net(for Pcs) thet support AppleItalk. I am using the Nosview version. This version can not atach to appleItalk. I would like to attach my pc to localtalk using net TCP/IP.

If somebody could help me, please send mail to me.

Eduardo Millar
Proyecto Enlaces
e-mail:enlaCES.UFRO.CL

Date: 18 Mar 94 14:29:32 GMT
From: news-mail-gateway@ucsd.edu
Subject: Propagation and Radio System Engineering.
To: ham-digital@ucsd.edu

Hi, This message is in response to emillar@enlces.ufro.cl 's message requesting information on propagation. The source article on this subject is "Radio Propagation Fundamentals" by Kenneth Bullington. It was published in the Bell System Technical Journal (BSTJ), Volume XXXVI, #3, May 1957.

Of primary improtance to Packet Radio RF path engineering is the section on figuring Fresnel loss. This is the loss due to the path be partially occulted by the earth. Almost all terrestrial radio paths have this effect. Microwave paths, however can usually be engineered to reduce the effects, and thus greatly reduce the power requirements for a given path. Only when the beam width of the antenna, significantly attenuates in the direction of the interviening ground, between a transmitter and reciever, can the Fresnel Loss be ignored.

If u are also interested in general Radio System Engineering, my article

in the 7th (1988) ARRL CNC, would also be of interest to you. That is, Radio System Engineering, as it applies to Packet Radio.

73, Don. wb9mjn%wb9mjn.ampr.org@wb9uus.bradley.edu

End of Ham-Digital Digest V94 #74
